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## **EXHIBIT JRS-2**

### **Aquifer Supply Replacement – Alternative I Clearview Project Water Supply**

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**Prepared For:** Prefiled Testimony of Jon R. Stack, ST Engineering, Inc.  
Regarding the proposed Cross Cascade Pipeline by Olympic Pipeline

**Sponsor:** Cross Valley Water District

**Date:** February 12, 1999

**Issue:** Aquifer Supply Replacement – Alternative I  
Clearview Water Supply

**Page 1:** Cost Estimate: Estimated Cost to Replace Aquifer Supply with Water  
Supply from the Clearview Water Supply Project

**Page 2:** Exhibit Map: Cross Valley Water District  
Aquifer Supply Replacement – Alternative I

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Prepared For: Prefiled testimony of Jon R. Stack, S.T. Engineering  
Regarding the proposed Cross Cascade Pipeline by Olympic Pipeline

Sponsor: Cross Valley Water District

Date: February 12, 1999

Issue: Aquifer Supply Replacement – Alternative I  
Clearview Project Water Supply

### Estimated Cost to Replace Aquifer Supply with Water Supply from the Clearview Project – 4.6 Million Gallons per Day (MGD):

Clearview Project Regional Facilities, Project Cost Estimate:

Existing water rights of wells, at 16 hours pumping per day = 4.6 MGD  
Anticipated cost of Clearview Project = \$6,515,429 for 6 MGD = \$1,085,905 per MGD.  
Cost of 4.6 MGD = \$1,085,905 per MGD x 4.6 MGD = \$ 4,995,163

**Subtotal – Clearview Project Regional Facilities** **\$ 4,995,163**

Local facilities required by Cross Valley to convey Clearview water throughout the District's distribution system, Project Cost Estimate:

<u>Item</u>	<u>Description</u>	<u>Quantity/Units</u>	<u>Unit Cost</u>	<u>Amount</u>
1.	18" D.I. Pipe, Cl.52	6,500 LF	\$75	\$ 487,500
2.	12" D.I. Pipe, Cl. 52	11,000 LF	\$40	\$ 440,000
3.	Pressure Reducing Valves	3 EA	\$35,000	\$ 105,000
4.	Connections to Existing System	11 EA	\$ 3,500	\$ 38,500
5.	Booster Pump Station with Generator	1 L.S.	L.S.	\$ 300,000
7.	Misc. Unlisted Items	All L.S.	L.S.	\$ 640,000
Subtotal				\$ 2,011,000
Sales Tax @ 7.6%				\$ 153,000
Permits, Engineering, Surveying and R.O.W at 25%				\$ 503,000
Contingency @ 15%				\$ 400,017
Subtotal – Clearview Project Local Facilities				\$ 3,067,017
Subtotal – Clearview Project Regional Facilities				\$ 4,995,163
<b>Total Estimated Project Cost (1998 Dollars)</b>				<b><u>\$ 8,062,180</u></b>

See the attached map for approximate location of proposed improvements.